



Australian Government

AUMFTA006 Develop research reports on vehicle design, development and production

Release: 1

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Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMFTA5006 Produce research reports

Application

This unit describes the performance outcomes required to carry out research activities, analyse research data, and produce research reports relating to the design, development and production of motor vehicles, in conjunction with engineering personnel.

It applies to those in an automotive manufacturing environment at a specialist technician level.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Competency Field

Manufacturing - Passenger Vehicle

Unit Sector

Technical

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section
1. Determine research requirements	<p>1.1 Research brief or problem is defined in conjunction with relevant design, engineering, marketing, production or other personnel</p> <p>1.2 Research processes and requirements are developed from an analysis of available information</p> <p>1.3 Research processes and requirements are documented and</p>

Elements	Performance Criteria
	validated
2. Conduct research	2.1 Research strategies for use in the research project are identified and evaluated 2.2 Research plan is submitted for approval 2.3 Research activities are conducted 2.4 Collected information is processed and summarised according to the research strategy
3. Evaluate research outcomes	3.1 Research data is analysed 3.2 Research outcomes are structured to address research brief or defined problem 3.3 Specific issues and important additional findings are highlighted and summarised 3.4 Research outcomes are discussed with relevant personnel and appropriate adjustments are made to findings based on feedback
4. Document and distribute research outcomes	4.1 Research outcomes are summarised 4.2 Research documentation is completed, saved and stored for future reference 4.3 Research documentation is distributed to specified personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skills	Description
Reading skills to:	<ul style="list-style-type: none"> interpret research information on workplace objectives, vehicle market trends and safety requirements interpret research data for evaluation and trials.
Writing skills to:	<ul style="list-style-type: none"> document new design requirements, concept restraints, trials, tests and modification outcomes.
Oral communication skills to:	<ul style="list-style-type: none"> review the design concept with appropriate personnel review and evaluate concept sketches with engineering, marketing and other appropriate personnel evaluate manufacturing methods with production engineering, marketing and other appropriate personnel.
Numeracy skills to:	<ul style="list-style-type: none"> calculate critical dimensions and interpret data estimate required materials, components and related costs.

Teamwork skills to:	<ul style="list-style-type: none">• apply teamwork to a range of situations, including conducting research.
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Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=bd587669-08b3-4cd5-85f0-f9fa0c6304c1>